

REMARKS**Introduction**

Claims 11 and 15 are hereby amended. Claims 1-10 were previously cancelled. Claims 23-26 are hereby added. This application includes claims 11-26.

Applicants thank the Examiner for taking the time to conduct a personal interview with the Applicants' representative on November 12, 2008. A summary of the substance of the interview is reflected in the Examiner's interview summary, as well as in the following remarks.

Reconsideration of the rejection is respectfully requested in view of the following:

The Claims are Allowable over the Prior Art Because the Prior Art Fails to Disclose a Proxy, wherein the Proxy is used Between the Executing Code Being Debugged and the Multi-language Debugger to Consolidate Contents of One or More Messages

Claims 11-20 and 22 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,353,923 ("Bogle"). Claim 21 is rejected under 35 U.S.C. § 103(a) as being unpatentable over Bogle. Reconsideration of this rejection is respectfully requested.

One embodiment relates to a system for debugging in more than one programming language. A multi-language debugger debugs a source code file which contains compiled and interpreted languages. See, e.g., paragraphs [0006]-[0007] of specification. A script engine interface communicates to the multi-language debugger through the script engine interface. See, e.g.,

paragraph [0009] of specification. A script debug controller that registers itself upon start-up. See, e.g., paragraph [0009] of specification. A script context object, wherein the script engine uses the script context object to hold a script context. See, e.g., paragraph [0009] of specification. Each of the compiled and interpreted languages are edited in a debuggable frame object. See, e.g., paragraph [0009] of specification. The system includes an interface to runtime messaging environment. See, e.g., paragraph [0009] of specification. The interface is implemented by the runtime messaging environment that controls a running state of the script engine. See, e.g., paragraphs [0009] of specification. A proxy is used between the executing code being debugged and the multi-language debugger to consolidate contents of one or more messages. See, e.g., paragraph [0009] of specification. The system includes a debug commands interface. See, e.g., paragraph [0009] of specification.

These features, as described in one embodiment, provide many advantages. For example, the system is beneficial for software developers working on multi-language systems. In addition, the system is able to provide a debugging environment that can be uniform across languages, and can seamlessly perform debugging between one or more languages in a multi-language environment. See, e.g., paragraph [0006] of specification.

In contrast to embodiments of the present invention, none of the cited prior art is directed to a system that includes “a proxy, wherein the proxy is used between the executing code being debugged and the multi-language debugger to consolidate contents of one or more messages,” as recited in claim 11.

Claim 11 recites subject matter (“a proxy”), which is similar to the subject matter previously recited in claims 15 and 22. In setting forth the rejection of claims 15 and 22, the Office fails to identify any teaching of Bogle as being relevant to “a proxy, wherein the proxy is used to consolidate contents of one or more messages,” as recited. See Office Action at page 7.

Applicants respectfully submit that Bogle fails to disclose these claimed features. Bogle discloses an active debugging environment for a virtual application in which a debug manager catalogs and manages various applications that comprise a virtual application being run by the script host. See Bogle at Abstract. Bogle further discloses a marshalling proxy. More specifically, Bogle discloses that if the debugger “has rudely shut down COM will return an error from the marshalling proxy.” See Bogle at column 60, lines 29-30 and column 64, lines 57-58. Bogle, however, does not disclose that the marshalling proxy “is used to consolidate contents of one or more messages,” as required by Applicants’ claims.

For at least these reasons, independent claim 11, and independent claims 15 and 22, which recite similar limitations, are allowable over the cited prior art. The remaining claims depend from either claim 11, 15, or 22 and are also allowable for at least the above reasons.

Conclusion

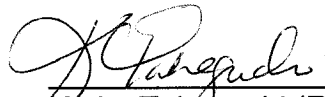
Applicants respectfully request favorable action in connection with this application.

The Examiner is invited and urged to contact the undersigned to discuss any matter concerning this application.

No fee is believed to be due for this submission. Should a fee be required, the Commissioner is authorized to charge any such fee to Womble Carlyle's Deposit Account No. 09-5028.

Respectfully Submitted,

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